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EXAMINER	
CLINEO, K	
ART UNIT	PAPER NUMBER
2841	7

DATE MAILED: 12/06/00

This is a communication from the examiner in charge of your application.  
COMMISSIONER OF PATENTS AND TRADEMARKS

☒ This application has been examined ☒ Responsive to communication filed on 10/17/00 ☐ This action is made final.

A shortened statutory period for response to this action is set to expire 3 month(s), — days from the date of this letter.  
Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

- ☐ Notice of References Cited by Examiner, PTO-892.
- ☒ Notice of Draftsman's Patent Drawing Review, PTO-948.
- ☐ Notice of Art Cited by Applicant, PTO-1449.
- ☐ Notice of Informal Patent Application, PTO-152.
- ☐ Information on How to Effect Drawing Changes, PTO-1474.
- ☐

Part II SUMMARY OF ACTION

- ☒ Claims 1-2, 4-5, 7, 9-13, 17, 19, 21-22, 24, 28 are pending in the application.  
30-33, 35, 3, 6, 8, 14-16, 18, 20, 23-25, 27, 29, 34, 36  
Of the above, claims 3, 6, 8, 14, 16, 18, 20, 23, 25, 27, 29, 34, 36 are withdrawn from consideration.
- ☐ Claims \_\_\_\_\_ have been cancelled.
- ☐ Claims \_\_\_\_\_ are allowed.
- ☒ Claims 1-2, 4-5, 7, 9-13, 17, 19, 21-22, 24, 28, 30-33, 35 are rejected.
- ☐ Claims \_\_\_\_\_ are objected to.
- ☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.
- ☐ This application has been filed with informal drawings under 37 C.F.R. 1.85 which are acceptable for examination purposes.
- ☐ Formal drawings are required in response to this Office action.
- ☐ The corrected or substitute drawings have been received on \_\_\_\_\_. Under 37 C.F.R. 1.84 these drawings are ☐ acceptable; ☐ not acceptable (see explanation or Notice of Draftsman's Patent Drawing Review, PTO-948).
- ☐ The proposed additional or substitute sheet(s) of drawings, filed on \_\_\_\_\_, has (have) been ☐ approved by the examiner; ☐ disapproved by the examiner (see explanation).
- ☐ The proposed drawing correction, filed \_\_\_\_\_, has been ☐ approved; ☐ disapproved (see explanation).
- ☐ Acknowledgement is made of the claim for priority under 35 U.S.C. 119. The certified copy has ☐ been received ☐ not been received ☐ been filed in parent application, serial no. \_\_\_\_\_; filed on \_\_\_\_\_.
- ☐ Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.
- ☐ Other

EXAMINER'S ACTION

## DETAILED ACTION

### *Election/Restriction*

1. Applicant's election of Group I, species 1, in Paper No. 6 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

### *Drawings*

2. This application has been filed with informal drawings which are acceptable for examination purposes only. Formal drawings will be required when the application is allowed. See attached form PTO-948.

3. The drawings are objected to for the following reasons.

-- The drawings are improperly cross hatched. Those figures shown in section, and only those figures, must be cross hatched. The cross hatching patterns should be selected from those shown on page 600-84 of the MPEP based on the material of the part. See also 37 CFR 1.84(h)(3) and MPEP 608.02.

-- In figures 1B and 2C, the significance of  $\Delta x$  is not understood. Both  $\Delta x$  amounts appear to be the same.

-- Figure 5H is incorrect considering the explanation of that figure at page 23, last paragraph, because the mentioned terminal, contact and brazing are not shown: only the

tip structure is shown.

-- In figure 10, reference number (982) is not shown. Instead, the typographical error "9 8" appears.

Drawing corrections in compliance with MPEP 608.02(v) are required in response to this office action.

### *Specification*

4. The specification is objected to for the following reasons.
  - The significance of the  $\Delta x$  shown in figures 1B and 2C is not understood.
  - Page 22, line 12, "to crease the bulk" is not understood.

Correction is required of these and any similar errors in response to this office action.

5. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

### *Treatment of Claims Based on Language and Format*

6. 35 USC 112, second paragraph, states:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

7. Claims are rejected under 35 USC 112, second paragraph, as being

indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

*Treatment of Claims Based on Prior Art*

8. 35 USC 102 includes the following sections which state:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.

9. Claims 1-2, 4-5, 7, 9-10, 12, 13, 17, 19, 21, 22, 26, 28, 30-33, 35 are rejected under 35 USC 102(e) as being anticipated by Tonti et al. (US 6114221, hereafter Tonti).

See figures 13 and 16 which show contacts with a pyramidal, blade at the end. The foot is the lower portion of the tip.

Claim 21: The angle is 0. Therefore, it is within -45 to +45 degrees.

10. Claims 1-2, 4-5, 7, 9-13, 17, 19, 21, 22, 26, 28, 30-33, 35 are rejected under 35 USC 102(e) as being anticipated by Pendse (US 5764486).


Figure 2 shows the contacts with pyramidal blades at the ends (22). The foot is the lower portion of the tip which couples with stub (26) which is resilient.

*Related Prior Art*

11. The following references are considered pertinent to the present application.
- Briggs et al. (US 6002266) and Elliot et al. (US 3881799) both teach pyramidal contacts.

*Closing*

12. Any inquiries related to the examination of this application should be directed to Ex. K. Cuneo at (703) 308-1233 or her supervisor Ex. J Gaffin at (703) 308-3301. Inquiries of a general nature should be directed to the receptionist of Group 2800 at (703) 308-0956. The fax numbers for Group 2800 are (703) 305-7722 and 7724.



K. Cuneo  
Patent Examiner, Group 2841  
December 4, 2000